JavaScript Essentials And Advanced

Q1   HTML-CSS Login Registration page

ANS:

// html code //

```html
<!DOCTYPE html>
<html lang="en">
<head>

    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    //css file//
    <link rel="stylesheet" href="form.css">
    <title> Login Registration</title>


</head>
<body>
    //login start//
    <div class="login-wrap">
        <div class="login-html">
            <input id="tab-1" type="radio" name="tab" class="sign-in"
checked><label for="tab-1" class="tab">Registration</label>
            <input id="tab-2" type="radio" name="tab"
class="sign-up"><label for="tab-2" class="tab">Sign Up</label>
            <div class="login-form">
                <div class="sign-in-htm">
                    <div class="group">
                        <label for="user"
class="label">Username</label>
                        <input id="user" type="text" class="input">
                    </div>
                    <div class="group">
                        <label for="pass"
class="label">Password</label>
```

```html
                    <input id="pass" type="password" class="input"
data-type="password">
                  </div>
                  <div class="group">
                    <input id="check" type="checkbox" class="check"
checked>
                    <label for="check"><span class="icon"></span>
Keep me Signed in</label>
                  </div>
                  <div class="group">
                    <input type="submit" class="button" value="Sign
In">
                  </div>
                  <div class="hr"></div>
                  <div class="foot-lnk">
                    <a href="#forgot">Forgot Password?</a>
                  </div>
              </div>
              <div class="sign-up-htm">
                  <div class="group">
                    <label for="user"
class="label">Username</label>
                    <input id="user" type="text" class="input">
                  </div>
                  <div class="group">
                    <label for="pass"
class="label">Password</label>
                    <input id="pass" type="password" class="input"
data-type="password">
                  </div>
                  <div class="group">
                    <label for="pass" class="label">Repeat
Password</label>
                    <input id="pass" type="password" class="input"
data-type="password">
                  </div>
                  <div class="group">
                    <label for="pass" class="label">Email
Address</label>
                    <input id="pass" type="text" class="input">
                  </div>
                  <div class="group">
```

```html
                            <input type="submit" class="button" value="Sign
Up">
                        </div>
                        <div class="hr"></div>
                        <div class="foot-lnk">
                            <label for="tab-1">Already Member?</a>
                        </div>
                    </div>
                </div>
            </div>
        </div>
</body>
</html>
```

// css code //

```css
body
{
    margin:0;
    color:#5eb61b;
    Background:darkgray;
    font:600 16px/18px 'Open Sans',sans-serif;
}
*,:after,:before{box-sizing:border-box}
.clearfix:after,.clearfix:before{content:'';display:table}
.clearfix:after{clear:both;display:block}
a{color:inherit;text-decoration:none}

.login-wrap{
    width:100%;
    margin:auto;
    max-width:525px;
    min-height:670px;
    position:relative;

background:url(https://raw.githubusercontent.com/khadkamhn/day-01-login
-form/master/img/bg.jpg) no-repeat center;
    box-shadow:0 12px 15px 0 rgba(32, 30, 30, 0.24),0 17px 50px 0
rgba(23, 21, 21, 0.19);
}
.login-html{
    width:100%;
```

```css
    height:100%;
    position:absolute;
    padding:90px 70px 50px 70px;


    background:rgba(28, 55, 114, 0.9);
}
.login-html .sign-in-htm,
.login-html .sign-up-htm{
    top:0;
    left:0;
    right:0;
    bottom:0;
    position:absolute;
    transform:rotateY(180deg);
    backface-visibility:hidden;
    transition:all .4s linear;
}
.login-html .sign-in,
.login-html .sign-up,
.login-form .group .check{
    display:none;
}
.login-html .tab,
.login-form .group .label,
.login-form .group .button{
    text-transform:uppercase;
}
.login-html .tab{
    font-size:22px;
    margin-right:15px;
    padding-bottom:5px;
    margin:0 15px 10px 0;
    display:inline-block;
    border-bottom:2px solid transparent;
}
.login-html .sign-in:checked + .tab,
.login-html .sign-up:checked + .tab{
    color:#fff;
    border-color:#1161ee;
}
.login-form{
    min-height:345px;
    position:relative;
```

```css
    perspective:1000px;
    transform-style:preserve-3d;
}
.login-form .group{
    margin-bottom:15px;
}
.login-form .group .label,
.login-form .group .input,
.login-form .group .button{
    width:100%;
    color:#fff;
    display:block;
}
.login-form .group .input,
.login-form .group .button{
    border:none;
    padding:15px 20px;
    border-radius:25px;
    background:rgba(255,255,255,.1);
}
.login-form .group input[data-type="password"]
{

    -webkit-text-security:circle;
}
.login-form .group .label{
    color:#aaa;
    font-size:12px;
}
.login-form .group .button{
    background:#1161ee;
}
.login-form .group label .icon{
    width:15px;
    height:15px;
    border-radius:2px;
    position:relative;
    display:inline-block;
    background:rgba(255,255,255,.1);
}
.login-form .group label .icon:before,
.login-form .group label .icon:after{
    content:'';
```

```css
    width:10px;
    height:2px;
    background:#fff;
    position:absolute;
    transition:all .2s ease-in-out 0s;
}
.login-form .group label .icon:before{
    left:3px;
    width:5px;
    bottom:6px;
    transform:scale(0) rotate(0);
}
.login-form .group label .icon:after{
    top:6px;
    right:0;
    transform:scale(0) rotate(0);
}
.login-form .group .check:checked + label{
    Color:#fff;
}
.login-form .group .check:checked + label .icon{
    background:#1161ee;
}
.login-form .group .check:checked + label .icon:before{
    transform:scale(1) rotate(45deg);
}
.login-form .group .check:checked + label .icon:after{
    transform:scale(1) rotate(-45deg);
}
.login-html .sign-in:checked + .tab + .sign-up + .tab + .login-form
.sign-in-htm{
    transform:rotate(0);
}
.login-html .sign-up:checked + .tab + .login-form .sign-up-htm{
    transform:rotate(0);
}


.hr{
    height:2px;
    margin:60px 0 50px 0;
    background:rgba(255,255,255,.2);
}
.foot-lnk{
```

```
    Text-align:center;
}
```

Q.2   Calculate subtotal price of quantity in JavaScript?

SNS:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Document</title>
</head>
<style>

</style>
<body>
    <Table border="1px">
        <tr>
            <th>Product Info</th>
            <th>Quantity</th>
            <th>Price(per unit)</th>
            <th>Price(Total)</th>
        </tr>
        <tr>
            <td>Hardware Click</td>
            <td><input type="text" id="hardware_input"></td>
            <td id="hardware_price">1500</td>
            <td><span id="hardware"></span></td>
        </tr>
        <tr>
            <td>Software Disk</td>
            <td><input type="text" id="software_input"
onkeypress="math2()"></td>
```

```html
        <td id="software_price">3500</td>
        <td><span id="software"></span></td>
    </tr>
    <tr>
        <td colspan="4"><input type="submit"
onclick="math1()"></td>
    </tr>
</Table>
<script>
    function math1(){
        let
price_1=document.getElementById('hardware_price').innerHTML
        let input_1=document.getElementById('hardware_input').value
        let span_1=document.getElementById('hardware')
        let price_1_1=parseInt(price_1)
        let num_1=parseInt(input_1)
        let total=(num_1*price_1_1)
        span_1.innerHTML=total

        let
price_2=document.getElementById('software_price').innerHTML
        let input_2=document.getElementById('software_input').value
        let span_2=document.getElementById('software')
        let price_2_2=parseInt(price_2)
        let num_2=parseInt(input_2)
        let total2=(num_2*price_2_2)
        span_2.innerHTML=total2
    }
</script>
</body>
</html>
```

Q.3 What is JavaScript Output method?

ANS: JavaScript can "display" data in different ways: Writing into an HTML element, using innerHTML . Writing into the HTML output using document.write() .Writing into an alert box, using window.alert().Writing into the browser console, using console.log().

Q.4 How to used JavaScript Output method?

ANS:

- Writing into an HTML element, using innerHTML .
- Writing into the HTML output using document.write() .
- Writing into an alert box, using window.alert() .
- Writing into the browser console, using console.log() .

Q.5 How to used JavaScript Events to do all examples?

ANS: JavaScript's interaction with HTML is handled through events that occur when the user or the browser manipulates a page.

When the page loads, it is called an event. When the user clicks a button, that click too is an event. Other examples include events like pressing any key, closing a window, resizing a window, etc.

onclick Event Type

This is the most frequently used event type which occurs when a user clicks the left button of his mouse. You can put your validation, warning etc., against this event type.

Example

Try the following example.

```
html>
   <head>
      <script type = "text/javascript">
```

```
        <!--
            function sayHello() {
                alert("Hello World")
            }
        //-->
    </script>
</head>

<body>
    <p>Click the following button and see result</p>
    <form>
        <input type = "button" onClick = "sayHello()" value = "Say
Hello" />
    </form>
</body>
</html>
```

onsubmit Event Type

onsubmit is an event that occurs when you try to submit a form.
You can put your form validation against this event type.

Example

The following example shows how to use onsubmit. Here we are
calling a validate() function before submitting a form data to the
webserver. If validate() function returns true, the form will be
submitted, otherwise it will not submit the data.

Try the following example.

```html
html>
   <head>
      <script type = "text/javascript">
         <!--
            function validation() {
               all validation goes here

               return either true or false

            }
         //-->
      </script>
   </head>

   <body>
      <form method = "POST" action = "t.cgi" onSubmit = "return
validate()">

         <input type = "submit" value = "Submit" />
      </form>
   </body>
</html>
```